ERF

```
UU        UU  BBBBBBBB      AAAAAA    EEEEEEEEEE  RRRRRRR      RRRRRRR
UU        UU  BBBBBBBB      AAAAAA    EEEEEEEEEE  RRRRRRR      RRRRRRR
UU        UU  BB      BB   AA    AA   EE          RR     RR   RR     RR
UU        UU  BB      BB   AA    AA   EE          RR     RR   RR     RR
UU        UU  BB      BB   AA    AA   EE          RR     RR   RR     RR
UU        UU  BBBBBBBB     AA    AA   EEEEEEE     RRRRRRR      RRRRRRR
UU        UU  BBBBBBBB     AA    AA   EEEEEEE     RRRRRRR      RRRRRRR
UU        UU  BB      BB  AAAAAAAAAA  EE          RR  RR       RR  RR
UU        UU  BB      BB  AAAAAAAAAA  EE          RR  RR       RR  RR
UU        UU  BB      BB  AA      AA  EE          RR     RR    RR     RR
UU        UU  BB      BB  AA      AA  EE          RR     RR    RR     RR    ....
UUUUUUUUUU    BBBBBBBB    AA      AA  EEEEEEEEEE  RR       RR  RR       RR   ....
UUUUUUUUUU    BBBBBBBB    AA      AA  EEEEEEEEEE  RR       RR  RR       RR   ....


LL              IIIIII      SSSSSSSS
LL              IIIIII      SSSSSSSS
LL                II      SS
LL                II      SS
LL                II      SS
LL                II      SS
LL                II         SSSSSS
LL                II         SSSSSS
LL                II              SS
LL                II              SS
LL                II              SS
LL                II              SS
LLLLLLLLLL      IIIIII      SSSSSSSS
LLLLLLLLLL      IIIIII      SSSSSSSS
```

```
0001    C
0002    C Version:        'V04-000'
0003    C
0004    C******************************************************************
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0023    C*                                                                *
0024    C*                                                                *
0025    C******************************************************************
0026    C
0027    C        Author  Brian Porter          Creation date   06-MAY-1981
0028    C
0029
0030    c++
0031    c        Functional description:
0032    c
0033    c        This module displays uba entries for the 11/730.
0034    c
0035    c        Modified by:
0036    c
0037    c        V03-003 SAR0159          Sharon A. Reynolds,     13-Oct-1983
0038    c                Added an SYE update that makes register heralds
0039    c                generic.
0040    c
0041    c        V03-002 SAR0102          Sharon A. Reynolds,     20-jun-1983
0042    c                Changed the carriage control in the 'format' statements
0043    c                for use with ERF.
0044    c
0045    c        V03-001 SAR0053          Sharon A. Reynolds,     13-Jun-1983
0046    c                Removed brief/cryptic support.
0047    c
0048    c        v02-003 BP0003           Brian Porter,           19-NOV-1981
0049    c                Added dispatching.
0050    c
0051    c        v02-002 BP0002           Brian Porter,           11-NOV-1981
0052    c                Changed register herald.
0053    c
0054    c        v02-001 BP0001           Brian Porter,           01-JUL-1981
0055    c                Added call to LOGGER.
0056    c**
0057    c--
```

```
0058
0059
0060
0061          subroutine uba_errors (lun,option)
0062
0063
0064
0065          include 'src$:msghdr.for /nolist'
0124
0125
0126
0127          byte            lun
0128
0129          character*1     option
0130
0131
0132
0133          if (lib$extzv(24,8,emb$l_hd_sid) .eq. 3) then
0134
0135          if (option .eq. 'S') then
0136
0137          call dw730_error (lun)
0138          endif
0139   c
0140   c      for future expansion the IF-THEN-ELSE should be expanded
0141   c      at this point.
0142   c
0143          endif
0144
0145          return
0146          end
```

PROGRAM SECTIONS

	Name	Bytes	Attributes
0	$CODE	51	PIC CON REL LCL SHR EXE RD NOWRT LONG
1	$PDATA	8	PIC CON REL LCL SHR NOEXE RD NOWRT LONG
2	$LOCAL	32	PIC CON REL LCL NOSHR NOEXE RD WRT LONG
3	EMB	512	PIC OVR REL GBL SHR NOEXE RD WRT LONG
	Total Space Allocated	603	

ENTRY POINTS

Address	Type	Name
0-00000000		UBA_ERRORS

VARIABLES

Address	Type	Name	Address	Type	Name
3-00000000	I*4	EMB$L_HD_SID	3-00000004	I*2	EMB$W_HD_ENTRY
3-0000000E	I*2	EMB$W_HD_ERRSEQ	AP-00000004@	L*1	LUN
AP-0000008@	CHAR	OPTION			

ARRAYS

Address	Type	Name	Bytes	Dimensions
3-00000000	L*1	EMB	512	(0:511)
3-00000006	I*4	EMB$Q_HD_TIME	8	(2)

FUNCTIONS AND SUBROUTINES REFERENCED

Type	Name	Type	Name
	DW730_ERROR	I*4	LIB$EXTZV

```
0001
0002
0003
0004          subroutine dw730_error (lun)
0005
0006
0007
0008          include 'src$:msghdr.for /nolist'
0067
0068
0069          byte            lun
0070
0071          integer*4       uba_csr
0072
0073          equivalence     (emb(16),uba_csr)
0074
0075          character*20    v1uba_csr(14:16)
0076
0077          data            v1uba_csr(14)   /'WRITE ERROR*'/
0078
0079          data            v1uba_csr(15)   /'MAP PARITY ERROR*'/
0080
0081          data            v1uba_csr(16)   /'NON-EXISTENT MEMORY*'/
0082
0083          character*21    v2uba_csr(31:31)
0084
0085          data            v2uba_csr(31)   /'READ DATA SUBSTITUTE*'/
0086
0087
0088
0089          call frctof (lun)
0090
0091          call header (lun)
0092
0093          call logger (lun,'"DW" ERROR')
0094
0095          call linchk (lun,2)
0096
0097          write(lun,10) uba_csr
0098    10    format(/' ',t8,'"DW" CSR',t24,z8.8)
0099
0100          call output (lun,uba_csr,v1uba_csr,14,14,16,'0')
0101
0102          call output (lun,uba_csr,v2uba_csr,31,31,31,'0')
0103
0104          Return
0105          End
```

PROGRAM SECTIONS

  Name   Bytes   Attributes

  0 $CODE   127   PIC CON REL LCL   SHR   EXE   RD NOWRT LONG
  1 $PDATA   51   PIC CON REL LCL   SHR NOEXE   RD NOWRT LONG
  2 $LOCAL   260   PIC CON REL LCL NOSHR NOEXE   RD   WRT LONG
  3 EMB   512   PIC OVR REL GBL   SHR NOEXE   RD   WRT LONG

    Total Space Allocated   950

ENTRY POINTS

  Address   Type   Name

  0-00000000   DW730_ERROR

VARIABLES

  Address   Type   Name   Address   Type   Name

  3-00000000 I*4   EMB$L_HD_SID   3-00000004 I*2   EMB$W_HD_ENTRY
  3-0000000E I*2   EMB$W_HD_ERRSEQ   AP-00000004a L*1   LUN
  3-00000010 I*4   UBA_CSR

ARRAYS

  Address   Type   Name   Bytes   Dimensions

  3-00000000 L*1   EMB   512   (0:511)
  3-00000006 I*4   EMB$Q_HD_TIME   8   (2)
  2-00000000 CHAR V1UBA_CSR   60   (14:16)
  2-0000003C CHAR V2UBA_CSR   21   (31:31)

LABELS

  Address   Label

  1-0000001D 10'

FUNCTIONS AND SUBROUTINES REFERENCED

  Type Name   Type Name   Type Name   Type Name   Type Name

        FRCTOF   HEADER   LINCHK   LOGGER   OUTPUT

COMMAND QUALIFIERS

  FORTRAN /LIS=LIS$:UBAERR/OBJ=OBJ$:UBAERR MSRC$:UBAERR

  /CHECK=(NOBOUNDS,OVERFLOW,NOUNDERFLOW)
  /DEBUG=(NOSYMBOLS,TRACEBACK)
  /STANDARD=(NOSYNTAX,NOSOURCE_FORM)
  /SHOW=(NOPREPROCESSOR,NOINCLUDE,MAP)
  /F77 /NOG_FLOATING /I4 /OPTIMIZE /WARNINGS /NOD_LINES /NOCROSS_REFERENCE /NOMACHINE_CODE /CONTINUATIONS=19

COMPILATION STATISTICS

  Run Time: 1.83 seconds
  Elapsed Time: 6.95 seconds
  Page Faults: 120
  Dynamic Memory: 166 pages

TIMCMP
LIS

TUTAPE
LIS

SBI
LIS

STSEVENT
LIS

TRNS BITS
LIS

UBAERR
LIS

TIMRB
LIS

UBA
LIS

TU81SENSE
LIS

UNDEFINED
LIS

SYSPWRFL
LIS

SUMMARY
LIS

UNKN DISP
LIS

SHRVECTOR
LIS

SYSTARTUP
LIS

UBAINT
LIS

TOF
LIS

UNKNOWN
LIS

TSTAPE
LIS